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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/353,160	07/14/1999	MARKKU KORPI	99P7704US	3063

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SIEMENS CORPORATION
INTELLECTUAL PROPERTY DEPARTMENT
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EXAMINER

ABELSON, RONALD B

ART UNIT	PAPER NUMBER
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2666

DATE MAILED: 02/06/2004 //

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/353,160

Applicant(s)

KORPI ET AL.

Examiner

Ronald Abelson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 14-22 is/are allowed.
- 6) ☒ Claim(s) 1-7 and 9-11 is/are rejected.
- 7) ☒ Claim(s) 8, 12 and 13 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 7/14/1999 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claims 1-7 and 9-11 rejected under 35 U.S.C. 102(a) as being anticipated by Kanter (WO 98/59467).

Regarding claims 6, 7, 9, 11, 24, Kanter teaches a communication endpoint for use in a network (fig. 2 box 11).

The system comprises a controller (fig. 2 box 17) configured to handle call signaling during a media communication with another endpoint (fig. 2 box 11') via a gatekeeper (fig. 2 box 15, 15') or directly with another endpoint.

Wherein the controller is configured to maintain a database (fig. 2 box 19) for identifying virtual domains (virtual private network, pg. 2 lines 4-5) associated with a single gatekeeper or a virtual domain associated with multiple gatekeepers (zone in which each end point is registered, pg. 3 lines 15-17).

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Regarding claim 7, in addition to the limitations listed, the controller is configured to provide an identification of said virtual domain to said gatekeeper during an address resolution phase (alias addresses, pg. 3 lines 15-17, AliasAddress, pg. 7 lines 14-16).

Regarding claim 11, in addition to the limitations listed, a packet-switched network (H.323, pg. 3 lines 8-9).

Regarding claims 9 and 24, in addition to the limitations listed, the controller is configured to provide an identification of said virtual domain (virtual private network, pg. 2 lines 4-5) during execution of one or more domain-restricted functions. Note, the applicant defines domain-restricted functions as "billing or availability of particular call or supplemental services". The examiner associates the applicant's supplemental services with the references desired Call Model.

Regarding claim 10, the communications endpoint comprises a client terminal (end user (fig. 2 box 11, 11') or a gateway.

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Regarding claims 1-4 and 23, an H.323 endpoint (fig. 2 box 11).

The system comprises a H.323 controller (fig. 2 box 17) configured to handle call signaling during a media communication with another H.323 endpoint (fig. 2 box 11') via a gatekeeper (fig. 2 box 15, 15') or directly with another endpoint.

Wherein the H.323 controller provides a communication domain identifier for address resolution during a media communication (Zone Confirmation signal, pg. 4 lines 17-20, End Point Registration Confirmation signal, pg. 7 lines 14-16) said communication domain identifier permitting use of virtual domains (virtual private network, pg. 2 lines 4-5) associated with a single gatekeeper or a virtual domain associated with multiple gatekeepers (zone in which each end point is registered, pg. 3 lines 15-17).

Regarding claim 23, in addition to the limitations previously listed, the controller is configured to use said communication domain identifier to determine a domain of one or more parties (pg. 3 lines 15-17) during execution of one or more domain restricted functions (desired Call Model, pg. 4 line 11). Note, the applicant defines domain-restricted functions as "billing or availability of particular call or supplemental

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services". The examiner associates the applicant's supplemental services with the references desired Call Model.

Regarding claim 2, in addition to the limitations previously listed, the H.323 controller is configured to use said CDI to determine a domain of a called party during an address resolution phase (alias addresses, pg. 3 lines 15-17, AliasAddress, pg. 7 lines 14-16) in a gatekeeper routed signaling mode (pg. 3 lines 19-24).

Regarding claim 3, in addition to the limitations previously listed, the H.323 controller provides said gatekeeper with said CDI (pg. 3 lines 21-23) during an address resolution phase (set up, pg. 3 lines 21-23) in a gatekeeper routed signaling mode (pg. 3 lines 19-24).

Regarding claim 4, in addition to the limitations listed, the controller is configured to determine a domain (virtual private network, pg. 2 lines 4-5) of one or more parties during execution of one or more domain-restricted functions. Note, the applicant defines domain-restricted functions as "billing or availability of particular call or supplemental services". The

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examiner associates the applicant's supplemental services with the references desired Call Model.

Regarding claim 5, the communications endpoint comprises a client terminal (end user (fig. 2 box 11, 11') or a gateway.

Allowable Subject Matter

3. Claims 14-22 allowed.

4. Claim 8, 12, and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claims 17, 22, 14, and 16, Kanter teaches a method for operating a telecommunication system (fig. 2) having at least one gatekeeper (fig. 2 box 15) and a plurality of endpoints (fig. 2 box 11, 11').

The system comprises storing a database (fig. 2 box 19) of communication domain identifiers (CDI), said CDI identifying an association of said endpoints (pg. 3 lines 15-17) with virtual domains (virtual private network, pg. 2 lines 4-5) associated with one of said at least one gatekeeper (zone in which each end point is registered, pg. 3 lines 15-17)

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The system comprises accessing said database to determine a CDI of a called party when a call is made (pg. 3 lines 11-24).

However, none of the prior art of reference teaches or fairly suggest, storing a database of communication domain identifiers (CDI) in said plurality of endpoints. In contrast, Kanter teaches storing a database of communication domain identifiers at the zone management means (fig. 2 box 17).

Regarding claim 8, the controller is configured to access said database for a virtual domain identifier in a direct signaling mode. Note, the applicant defines direct signaling wherein the send H.245 Call Connect messages without the use of gatekeepers (fig. 4B lines 10-27). Bypassing the gatekeepers is not taught nor suggested in Kanter.

Regarding claim 12, the endpoints include communication domain identification controllers for resolving associated virtual domains during a call setup procedure. In contrast to the endpoints, Kanter teaches the communication domain identification controller located at the zone management means (fig. 2 box 17).

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Response to Arguments

5. Applicant's arguments with respect to claims 1, 5, 6, 8, 11-13 have been considered but are moot in view of the new ground(s) of rejection.

The examiner agrees with the applicant's contention that Perkins does not teach communication domain identifiers (applicant: pg. 10 last paragraph). Furthermore, the applicant agrees with the applicant's contention that Kanter does not teach multiple domains associated with a single gatekeeper (applicant: pg. 10 last paragraph). However, the current claims do not explicitly recite multiple domains associated with a single gatekeeper. For example, claim 1 states "permitting use of virtual domains associated with a single gatekeeper ..."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ronald Abelson whose telephone number is (703) 306-5622. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on (703) 308-5463. The fax phone number for the

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organization where this application or proceeding is assigned is
(703) 872-9314.

Any inquiry of a general nature or relating to the status
of this application or proceeding should be directed to the
receptionist whose telephone number is (703) 305-9600.



Ronald Abelson
Examiner
Art Unit 2666



MELVIN MARCELO
PRIMARY EXAMINER